

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
11 South Carolina State Measures							
Comments: Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment.							
11 Central Midlands, SC (Effective date of non-attainment designation deferred) - Lexington County							
Conversion of Commercial Vehicle Fleet to Propane	Schwan's Home Service, Inc. will convert 11 heavy duty gasoline fuel trucks to propane.	completed	2005	1,300 lbs/year	1,638 lbs/year	N/A	CO reductions 8,244 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Develop Air Quality Website	Develop a web page that is dedicated to posting information on air quality as well as highlight Ozone Action Days. This website will also have links to state and federal air quality web sites.	Lexington County's Public Works Department website was launched in the summer of 2006. On the Public Works site is information about ground level ozone and the Early Action Compact. A request to update the website to include fall air quality tips, a fall air quality flash animation and links to federal and state websites was put into the County's IS Department on October 18, 2006. The request has yet to be filled.	Summer 2006	38.16 tons/season N/A	8.03 tons/season 183.5 tons/yr	N/A	
Support SCDHEC's statewide efforts to reduce ozone levels.	1. Stakeholder group to support and participate in modeling efforts. 2. Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning).	December 2004 EAC SIP did include Appendix 16 - 1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste. 2. SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen" reduction amount for both existing and new sources combined across Lexington and Richland counties for 2007 calendar year	1. June 25, 2004 2. June 25, 2004	N/A	N/A	N/A	See Comment #2
Lexington County Fleet Management	1. 12 alternative fuel vehicles in fleet. Four additional vehicles (three trucks and on car) are scheduled for purchase. 2. Tri-axes are equipped with Engine Control Software to monitor vehicle usage. Idle time is set for 5 min and then automatic shut off. 3. The caterpillar engines being purchase have the ACERT Technology. 4. The County purchased 35 Impalas (more efficient) instead of Crown Vic for the sheriff department. Proposing 35 more for the next year. 5. VDO system on County vehicles monitors driving habits. 6. Fleet are maintained 3 month or 5,000 miles, if not maintained the fuel dispensers will not work for the vehicle.	1. The County is currently trying to purchase 4 additional flex fuel vehicles. This purchase must first be approved by County Council at their December meeting. 3. Caterpillar engines that are purchased for County are meeting the air quality standards proposed for 2007.	3. 2005-2007 4. 35 more were ordered in October 2005	Directionally sound	Directionally sound	N/A	(http://www.centralmidlands.org/)
Land use/Green Space	A planning study (2005-2006) by COATS (Columbia Area Transportation Study) for bicycle and pedestrian facilities in the Central Midlands regions (Lexington, Richland, Kershaw, and Calhoun Counties) as a viable modal choice. (simmons@centralmidlands.org)	Public Meeting held Nov. 14, 2005 Final Report issued March 2006 o The final report of this study was released in March 2006 and included Early Action Projects for the construction of bicycle and pedestrian facilities. They include: o Establishing a bike route on Center Street in West Columbia o Construct sidewalks on both sides of August Road (US 1) in Lexington County o Kick off a new neighborhood sidewalk program in the Town of Lexington o Add sidewalks on both sides of Columbiana Drive in Irmo o Improve pedestrian crossings at the intersection of North Main Street (US 1) and Columbiana Avenue (US 378) in the Town of Lexington o Provide sidewalks on both sides of Sunset Boulevard (US 378) on the east side of the Town of Lexington	Final Report March 2006	Directionally sound	Directionally sound	N/A	
Land-Use Improvement Action	1. The Town of Lexington passed through Town Council a request for two streets in The Town be designated as one-way streets to ease traffic congestion. 2. The new Stormwater Management Ordinance and Design Manual currently under design for the County's Phase II NPDES permit is to include open space requirements which include lowering impervious area amounts and keeping natural vegetation. 3. Lexington County Council approves encouraging Low Impact Development in the County, which emphasizes decreasing impervious areas, leaving trees and other vegetation.	1. Butler and Main streets to be constructed as one-way.	1. Town Council passed at the Nov. 2005 meeting 2. September 1, 2007 deadline for implementation. 3. April 28, 2006 Town Council approved fee cuts for first three LID developments.	Directionally sound	Directionally sound	N/A	See Comment #2
Green Power Support	MCEC (Mid-Carolina Electric Cooperative) offers the purchase of green power blocks. This power is distributed by Santee Cooper and blocks are currently being purchased by local commercial and residential stewards of the environment. State-wide there are 1300 residential co-op participants. (www.santeecooper.com/greenpower) One block is equal to 100 kilowatt hours of electricity for residential customers and 200 kilowatt hours of electricity for commercial customers.	Local businesses supporting are Lowe's, BB&T, Kinko, Wachovia Banks. There are 115 residential Green Blocks Customers purchasing 164 blocks of green power. There are an average of 82 blocks of green power purchased by commercial customers.	Signing up for Green Power is a voluntary open enrollment process through MCEC.	Directionally sound	Directionally sound	N/A	
Energy Efficiency of New/Renovation of County Buildings	All windows in the County Administration Building were replaced with energy efficient windows. The same windows were used in the new Courthouse also.	2003-2004	completed 2003-2004	Directionally sound	Directionally sound	N/A	Additional information submitted in December 2004 Progress Report See Comment #5
Grant/Fund Proposals	1. Lexington County/Richland County applied for grant for Gas Cap Replacement/Gas Cap Wrenches. 2. Research other grant opportunities to fund future projects.	1. Did not receive the grant. 2. Meeting scheduled with the grants librarian at the South Carolina State Library to learn more about researching and preparing grant proposals.	2. June 20, 2006	Directionally sound	Directionally sound	N/A	Additional information submitted in June 2004 Progress Report See Comment #4
Stakeholders Meetings	1. June 6, 2005, meet with David Farren, Southern Environmental Law Center (SELC) and elected official from Lexington And Richland County to discuss "non-attainment" and goals to meet standards for ground level ozone. They also informed us of the release of the Columbia area air quality report by SELC. 2. Meeting with major industries to discuss the ozone situation held on July 18, 2006. 3. Talk with Lexington Soil and Water Conservation District to partner with us for air quality issues.	1. June 2005 - Obtained list of the major VOC and NOx emitters in county and plan to meet with these companies to discuss concerns regarding attainment issues. 2. Stakeholder meeting held with large employers in Lexington County to discuss the air quality situation and possible solutions. Thirty eight letters were mailed to businesses and industry with over 100 employees. Of those 17 people attended the July 18 meeting and three who could not attend requested materials from the meeting be forwarded to them. Along with the air quality presentation there was information handed out on Best Workplace for Commuters, Take a Break from the Exhaust and Energy Star. 3. The District's focus is on soil and water issues and their time is currently completely occupied by those issues. An interest was expressed by one member of the District in volunteering during Air Quality events, but only if time allows.	2. July 18, 2006	Directionally sound	Directionally sound	N/A	

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Landscaping	1. Planting of approximately 10-15 acres of trees and/or shrubbery for additional landscaping areas on Lexington County owned property that will reduce mowing and the use of gas powered lawn equipment. 2. Lexington County Planning /Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural scenic roadways. 3. Lexington County has one (1) municipality that is designated as "Tree City USA", and that is the Town of Lexington. There are several municipalities (Irmo, Gilbert, West Columbia, Cayce, Chapin) within Lexington County that currently have Tree Ordinances in place for development. Lexington County also has a Landscaping Ordinance in place.	1. Planted trees Jan.-Mar. 2005. 2. The progress on creating scenic corridors in the County is slow due to the issue of the location of utilities in public easements along the side of the road. Trees along roadways pose a threat to the proper function of utilities located in right-of-ways. The County Planning Department is considering residential buffers in lieu of scenic corridors. The Director of Planning and GIS met with the County Administrator concerning the scenic corridor concept and the idea was endorsed by her. There are plans to take this idea before the planning commission before the end of the calendar year if the December 21, 2006 meeting is not canceled due to the holidays.	1. Planted trees Jan.-Mar. 2005.	Directionally sound	Directionally sound	N/A	
Seminar/Presentations attended by Lexington County to further their knowledge of Air Quality	1. May 25, 2005 attended Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality". 2. June 22, 2005 participated in a conference call EPA, STATE, LOCAL partners and Office of Transportation and Air Quality to discuss how the "Best Work Places for Commuters" can help EACs. 3. August 23-25, 2005 attended the Southern Transportation and Air Quality Summit (STAQS) Conference. 4. November 3, 2005 Participated in conference call with DHEC and Richland County for guidance for the EAC Report due December 2005. 5. March 13-14, 2006 attended the Midlands Low Impact Development Workshop presented by the Midlands Urban Conservation Committee. 6. April 18, 2006 participated in a conference call with DHEC and other EAC members across the state concerning the 2006 EAC Summit in August 2006. 7. July 18, 2006 attended an afternoon presentation by Mr. Fred Blood on Plug-in-Hybrids at the SC Energy Office. 8. August 16-17, 2006 attended the SC Early Action Compact Summit at the Carolina Convention Center.	1. Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality" Seminars and presentations are attended as they are offered and depending on budget allowances		Directionally sound	Directionally sound	N/A	
Proposed air quality projects	1. Lexington County in partnership with other agencies are looking into holding a gas powered lawn mower/lawn equipment exchange 2. Lexington County in partnership with other agencies are looking into holding a Kerosene Can exchange 3. Lexington County in partnership with other agencies are looking into holding a Gas Cap Replacement/Gas Cap Wrenches event. 4. Co-sponsor with Richland County and SCDHEC a vehicle maintenance check event for National Car Care Month at South Carolina State Museum.	1. The lawn mower exchange is tentatively scheduled for April/May 2007. On September 2006 a needs assessment survey created by DHEC and administered by Zoomerang was mailed out to all Lexington County, Richland County and DHEC stakeholders. This survey helped determine the amount of a discount consumers expect for trading in a gas powered lawn mower as well as consumers willingness to switch to an electric mower. After various meetings it was determined that before further planning for the exchange event could be conducted the information gathered in the survey was needed. A post survey meeting was held on November 8, 2006. 4. 60 vehicles were checked for proper maintenance	1. Postponed due to funding 4. April 1, 2006	Directionally sound	Directionally sound	N/A	Additional information submitted in December 2004 Progress Report See Comment #5
Public Awareness/Education	1. Providing/incorporating Air Quality information in county newsletter that goes to all employees. 2. Working with county GIS department for the introduction of an Environmental link for the Public Works Department discussing Air Quality and related issues-hopefully implemented in 2006. 3. Spoke with Mid Carolina Electric Co-Op about publishing Air Quality information in their newsletter that is distributed to all MCEC customers-hopefully 2006. 5. Signed up as an It All Adds Up to Cleaner Air Community 6. Information concerning summer air quality information was posted on PBT Cable Channel 2 during the entire summer months. This information was from the It All Adds Up to Cleaner Air community partner summer seasonal materials. 7. Information concerning fall air quality information was posted on PBT Cable Channel 2 and the Town of Lexington's local cable access channel. This information was from the It All Adds Up to Cleaner Air community partner fall seasonal materials. 8. Eight organizations in Lexington County attended the August 16-17 EAC Summit.	June 2005 - update on educational air quality presentations for schools.... also working with landscape "guru" on educational/outreach presentations to local organizations... 2. Abandoned see item 13 7. The information will run for the entire fall season and will be replaced with winter tips at the season's change.	1. June 2006 first article will appear. 5. Signed up May 2006	Directionally sound	Directionally sound	N/A	
Public Awareness/Information	1. Lexington County, with input from DHEC, is designing and constructing an Ozone Action sign that will display during the Ozone season the ozone alertness level. This will be posted at a heavily traveled intersection in Columbia. 2. Ozone Awareness Week 2005 posters were displayed at the County Administration building along with brochures for all citizens and employees. 3. 1200 brochures for spring season awareness were attached to employee paychecks on March 31, 2005 concerning Ozone Awareness. 4. Press release about Ozone Awareness Week along with the Governor's Proclamation was hand delivered to Citadel Broadcasting Corp, Clear Channel marketing, Inner City Broadcasting, Glory Communications and Broomfield Broadcasting. 5. PSA's formatted for Lexington County were distributed to Citadel Broadcasting Corp, Clear Channel marketing, Inner City Broadcasting, Glory Communications and Broomfield Broadcasting for Ozone Awareness Week 2005. 6. Sign up for Take a Break from the Exhaust alternative commute program. 7. Ozone Alerts on high level ozone dayse were forwarded to all Departmet Heads in the County with a request. 8. Live read radio PSA announcements were mailed to local radio stations on July 13, 2006. 9. August 15, 2006 Air quality handouts were put on display at the County Administration building 10. Advertised for the American Lung Association's Asthma Walk in the October issue of the County Scoop 11. September 21, 2006 Attended the Home Builders Seminar in Columbia and presented information on a 12. September 27, 2006 conducted an air quality presentation at the Midlands Urban Conservation Committ 13. September 26, 2006 Myra Reese with the SCDHEC conducted a presentation of the air quality status in 14. October 18, 2006 New air quality information was displayed at the County Administration building. 15. September 25, 2006 Mailed information on the "Change a Light, Change the World" campaign to the air 16. October 18, 2006 Mailed a letter to the 36 large employers in Lexington county with enclosed fall air q 17. October 11, 2006 Information was emailed to stakeholders about the National Alternative Fuel Vehicle	6. This program developed by DHEC, encourages users to take voluntary actions in order to reduce vehicle miles traveled, which in turn reduces the precursors of ground level ozone. 7. DHEC PSA's distributed to the Town of Lexington for broadcast on the local cable access channel. They have not run to date, but will be included in the line up when space needs to be filled. 8. Follow up was conducted with the radion stations a week after the PSA's were mailed. There was no response. 16. Three employers requested additional handouts. Nucor Building Supply posted teh handouts in their building and will pass out the smaller handouts to all employees. Shaw Industries called to thank the County for providing the information to them. FB Johnston Graphics requested a non color copy of the handouts to pass out to employees. Glassmaster requested 120 copies of the handout along with an article for their company newsletter. Information on Best Workplace for Commuters, Energy Star, Anti-idling and ride sharing was also forwarded to the Glassmaster and Nucor Building Supply.	4-5. Spring 2005 6-7. June 2006 7. July 21, August 1, August 2, 2006 8. July 13, 2006	Directionally sound	Directionally sound	N/A	(http://www.lexington1.net/gms/school happenings.html#wetland)
Education of environmental issues within school systems	1. Amy Curran, DHEC, has been involved for 3 years with Gilbert Middle School for the implementation of wetlands, observation area, and kiosk. 2. She conducted an outdoor workshop with the students on air quality. 3. Amy also taught the 7th grade at Northside Middle School the science curriculum incorporating the health and environmental issues of air quality. 4. Implement the B2 @ School (Breathe Better at School) program in schools in Lexington County. This program's mission is to reduce vehicle emissions around school campuses for healthier children-reduce asthma and respiratory contributors.	1. On going project since 2003 2. Held on Oct. 25, 2005 3. Taught class on Nov. 15, 2005 4. Crossroads Middle School implemented a no idling policy. August 8, 2006 contacted Al Gates the Science Education Coordinator with Lexington Richland School District 5 concerning the B2 @ School program. On October 11 and 13, 2006 attended meetings with the science teachers in Lex/Rich School Dist 5 where information on the B2 @ School program was presented.	Started in 2003 and is a continuing effort. 4. More schools in the same district as Crossroads Middle School will be approached starting in the summer/fall of 2006 for implementation of the program.	Directionally sound	Directionally sound	N/A	Comments #7 (www.scwf.org/)
Recognition by SC Wildlife Federation	Lexington County Planning Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways.		2005 recognition received.	Directionally sound	Directionally sound	N/A	
Join and participate in Clean Cities	Become a stakeholder in Clean Cities and become active in meetings. This partnership shall increase public awareness of the environment issues of air quality that Lexington County is working to better.	May 2006 contacted Wendy Bell of the Catawba COG for more information on the Clean Cities initiative.	May-06	Directionally sound	Directionally sound	N/A	
1300 employees receive Ground Level Ozone Awareness Information in Pay stubs	Comments #7 and 8	Mar. 31, 2005	March 31, 2005				
Gas Can Exchange Events	1. Co-sponsor with Richland County and SCDHEC 2 gas can exchange events located at the former Bush River Mall and at the Sandhills Research/Education Center	1. A total of 290 old gas cans exchanged for new environmentally safe cans.	The events were held on June 5, 2004 and October 16, 2004	411.68 lbs/year		Michelin donated cans for both events	
School Bus Retrofit Project	Approximately 28 diesel buses will be retrofitted particulate filters during 2006. (additional reductions of PM are also expected)		2006	476 lbs/year	N/A	N/A	CO reductions 3,332 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6

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<p align="center">DECEMBER 2006 LEXINGTON COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC.</p>							
Air Quality Awareness and Improvement Policy	<p>1. Memorandum sent to all County department heads as well as elected officials and presented before County Council on August 24, 2004 and adopted as written; for the purpose of establishing certain principle that will guide the recurring activities of County government.</p> <p>Effective immediately:</p> <ol style="list-style-type: none"> 1. Encourage that all county employees are notified of upcoming Ozone Action Days. 2. Implement car-pooling opportunities, when feasible. <ul style="list-style-type: none"> - Ride share to work - Ride to lunch and/or meetings with fellow employees 3. Ensure that all County vehicles/equipment are operating according to the manufacturer's specifications. 4. Restrict vehicle idling to no more than 10 minutes. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected. 5. Restrict mowing and use of gas powered lawn equipment on County property on Ozone Action Days. 6. Restrict mowing by landscaping additional areas of county property. 7. Restrict all outdoor burning on Ozone Action Days. 8. Practice energy conservation in all County facilities. <ul style="list-style-type: none"> - Turn off computers and lights in the office at the end of the day - Turn off all office lights when not in use 9. Include environmental considerations in purchasing decisions for goods and services. An example of such is purchasing energy efficient light bulbs. 10. Purchase the lowest-emission vehicles practical to meet County needs. This may include the purchase of hybrid vehicles. 11. A memo to department heads with instructions to circulate among employees and post in the department to be distributed based in reports received through the Enviroflash program. Enviroflash is a program sponsored by the EPA that provides important air quality information such as forecasts and action day notifications via email or pager notifications. 	<ol style="list-style-type: none"> 1. Lexington County website has a link to the DHEC site with the Ozone Action Days. 2. County sent memos August 2005, to all employees to see the interest to carpooling. 3. All County employees are to turn off computers and lights when leaving at the end of each day. 	<p>Effective immediately - October 6, 2004</p> <p>May 2006-Ozone Policy re-distributed to county employees</p>	Directionally sound	Directionally sound	N/A	The commitment to address these activities has been assured by the County Administrator and was presented before County Council on August 24, 2004 and adopted as written. 1. See comment #6
1. Designate an Ozone Action Coordinator	The County will dedicate a staff person as the Ozone Action Coordinator.	<p>In 2003 the Lexington County Administrator Art Brooks delegated the responsibilities of this program to the Director of Public Works John Fechtel.</p> <p>In 2004 the County appointed Sheri Armstrong as the Environmental Coordinator to serve as the EAC contact as well as the coordinator of the County's National Pollutant Discharge Elimination System (NPDES) Phase II permit.</p> <p>A new Environmental Coordinator, Synthia Williams, was hired in April 2006 to focus solely on the County's environmental programs. Although Synthia Williams is the primary EAC contact, both Sheri Armstrong and John Fechtel receive questions from County Council and employees concerning the EAC and are kept abreast of the program.</p>	Completed in 2003 and continuing.				
2. Ozone Action Contacts	Establish industry/local government contact persons	<p>On June 6, 2005, the County met with David Farren, Southern Environmental Law Center (SELC) and elected official from Lexington and Richland County to discuss "nonattainment" and goals to meet standards for ground level ozone. They also informed the County of the release of the Columbia area air quality report by SELC. A meeting with major industries to discuss the ozone situation was planned for late July (2004). This meeting did not happen due to job demands outside of the Ozone program on the previous Environmental Coordinator. Hiring a new Environmental Coordinator who will focus entirely on environmental issues will allow more time to be devoted to increasing stakeholder involvement. June 2005 - Obtained list of the major VOC and NOx emitters in county and plan to meet with these companies to discuss concerns regarding attainment issues. Due to time and staff constraints industries were not contacted previously, with the hiring of a new Environmental Coordinator more time can be allocated to increasing stakeholder involvement. A new list will be delivered to the County in the summer of 2006. The county. It was discussed with Lexington Soil and Water Conservation District to partner with us on a</p>	<p>Completed in 2004 and continuing.</p> <p>Industry contacts were made after the Lexington County stakeholder meeting in July. Those industries are included in any air quality information that is dispersed by the County. The list will continually be updated as new contacts are made.</p>	Directionally sound	Directionally sound	N/A	
3. Park and Ride lot at Highway 378 and I-20	The 378 and I-20, Park and Ride Lot, during the majority of 2006 year has been to capacity or greater.	<p>The 378 and I-20, Park and Ride Lot, during the majority of 2006 year has been to capacity or greater. This process was previously handled through visual inspection and counting of the cars once a week. The parking facility holds 47 cars.</p> <p>During the July stakeholder meeting the attendees were asked to consider shopping center or churches near their facilities that could be used as possible park and ride locations.</p>	<p>Weekly counting began May 17, 2006. Completed 2003-2004 and continuing.</p> <p>There are approximately 20-25 cars using the park and ride facility.</p>	1,848 lbs/year	952 lbs/year	N/A	CO reductions 7,297 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
4. Alternate work schedule	Discuss with industry, companies, municipalities, county departments	<p>Please see the Ozone Policy adopted August 24, 2004 (attached).</p> <p>Lexington County surveyed employees (9/2005) as to the feasibility for department to go to 10-hour work schedules. One department within Public Works (11 employees) started October 1, 2005. The Fleet Services department has 1 employee that works an alternate schedule from 7 a.m. to 3 p.m.</p> <p>June 2006-Lexington County signed up for Take a Break from the Exhaust a web based program that tracks behavior changes by assigning points to a variety of activities. This program, developed by DHEC, encourages users to take voluntary actions in order to reduce vehicle miles traveled, which in turn reduces the precursors of ground level ozone. After an introductory period that will be used to learn the basics of the program by the Public Works Department, the program will be offered to all County employees for participation.</p> <p>Information about TABFTE and how individuals could sign up for the program was listed in the August 2006 County Scoop newsletter. There was no interest from employees to sign up for the program. In order to increase interest for the 2007 ozone season, donations from Local Industries will be informed of the Take a Break from the Exhaust program during the J</p>	Completed in 2004 and continuing.	Directionally sound	Directionally sound	N/A	See Comment #2 (Contact Sheri Armstrong/803-785-8631/sarmstrong@lex-co.com)

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5. Bio-diesel /alternate fuels use	Discuss with industry, companies, municipalities, county departments, investigate feasibility of these methods.	Lexington County will write and distribute a letter of encouragement for the use of bio-diesel/alternative fuels to each of the municipalities. A copy will be included in next progress report. Local industry will be informed of the benefits of AFV at the July stakeholder meeting (tentative see Measure 2) and invited to the August Early Action Summit to receive more information on AFV. o There were 1,120 gallons of biodiesel purchased in 2004 in Lexington County. There are approximately 60 alternative fuel vehicles operating within federal, state, county, and municipal government. As directed by the County Administrator all future purchases will be either Hybrids or AFVs, if practicable. 12 alternative fuel vehicles in the county fleet o Tri-axes are equipped with Engine Control Software to monitor vehicle usage. Idle time is set for 5 min. and then automatic shut off. o The caterpillar engines being purchase have the ACERT Technology. The Caterpillar engines that were purchased for County are meeting the air quality standards proposed for 2007. o The County purchased 35 Impalas (more efficient) instead of Crown Vic for the sheriff dep o VDO system on County vehicles monitors driving habits o Fleet are maintained 3 month or 5,000 miles, if not maintained the fuel dispensers will not o A letter was mailed in May 2006 to all municipalities within Lexington County encouraging o By December 2005, Schwan's Home Service, Inc. will convert 11 heavy-duty trucks from o Carolina fleet of 67 trucks located at depots in Greenville, Lexington, Charleston and o Florence is 60 percent propane fueled Central Midlands Regional Transit Authority (CMRT) o The Governor signed Hybrid vehicle bill H4312 on June 1, 2006. Act 312, R371, H4312 B	Completed in 2005 and continuing. May 2006 letter mailed to municipalities in the County.	Directionally sound	Directionally sound	N/A	
Bio-diesel /alternate fuel stations available in Lexington County	1. Pitt Stop Convenience Store, (E85) 5019 Augusta Road 2. United Energy (Bio-diesel and E85) 2470 Fish Hatchery Road 3. Pitt Stop No. 42 (E85) 1928 Airport Blvd 4. Immo C-Mart (E-85) 7353 Nursery Road 5. Pitt Stop # 41 (E-85) 1005 Old Cherokee Road	All sell alternative fuels	Pitt Stop gas stations will continue to offer E85 at new gas stations.	Directionally sound	Directionally sound	N/A	See Comment #2 (http://www.cat.com)
6. Idle Reduction	Establish County policies to reduce or stop idling time	15 trucks have Engine Control Module software that idling time is set for 5 minutes. Caterpillar has incorporated this in the engine software. (ACERT Technology) This technology will continue to be considered by the County for installation in other vehicles. See measure four of the Air Quality Awareness and Improvement Policy.	Completed in 2004 and continuing. Added to trucks in 2004.	Directionally sound	Directionally sound	N/A	See Comment #2 (www.state.sc.us/energy/renewable%20energy/lmop.htm)
7. Landfill Methane Reduction (Methane Recycling System to be online February 2006)	Screaming Eagle Landfill owned by Waste Management accepts approximately 100,000 tons/yr of municipal solid waste from Lexington County.	Methane Recycling System was brought online on February 21, 2006.	Feb. 21 2006	Directionally sound	Directionally sound	N/A	
Landfill Methane Outreach Program (LMOP) Participant	1. Program that aids the reduction of methane emissions from landfills by encouraging the recovery and use of landfill gas as energy source. (www.epa.gov/landfill/index.htm) Lexington County looking to find possible use of flared methane at the 321 Landfill. 2. The County is researching various ways to recycle the methane produced at the 321 Landfill. One possibility is to become a partner in the Chicago Climate Exchange (CCX) which allows emissions trades for greenhouse gas emissions. The Landfill Gas Collection and Control System at 321 Landfill could be considered as an offset project to greenhouse gas emissions.	1. The Landfill Gas Collection and Control System which includes flaring started operation on October 17, 2001. 2. The application for CCX is being prepared by the County's LMOP consultant. This information must be agreed upon by the County Council before the application can be submitted. This application will be presented to council after further research into the CCX and other methane recycling options is explored.	1. 10/17/2001 2. Winter 2007	Directionally sound	Directionally sound	N/A	www.santeccooper.com
Support efforts to create a regional air quality committee.	1. Interest was expressed by the Lexington County Administrator in the County sending a joint letter with the Richland County Administrator to the Central Midlands Council of Governments. The letter would request that the COG take the lead in setting up a regional air quality committee. 2. The City of Columbia has created a Climate Protection Action Committee. The committee is charged with creating an action plan to reduce municipal greenhouse gas emissions and submit this plan to the City Council within 6 months.	2. Lexington County is represented as an advisory member on the City of Columbia's Climate Protection Action Committee. The action plan that is developed by the Climate Protection Action Committee can serve as a basis for a regional air quality committee.	December 2006-Action Committee's first meeting.				
Improve Traffic Congestion	1. Offer commuters an alternative ride on ozone action days. 2. The Town of Lexington approved spending \$14,000 for equipment needed to synchronize traffic lights to improve traffic flow on Columbia Avenue and Main Street. The Town will first monitor traffic at 20 intersections and the traffic lights will be timed based on the monitoring data. It is thought that this will reduce the congestion in this part of the town.	1. Only July 31, 2006 the Central Midlands Regional Transit Authority announced they would offer free rides on their Smartride buses on Ozone Action Days. 2. Other traffic improvements are planned to be completed by the town within 5 years.	1. July 31, 2006 2. October 2, 2006				
Outdoor Burning Ordinance	The Town of Lexington approved spending \$14,000 for equipment needed to synchronize traffic lights to improve traffic flow on Columbia Avenue and Main Street. The Town will first monitor traffic at 20 intersections and the traffic lights will be timed based on the monitoring data. It is thought that this will reduce the congestion in this part of the town.	County and DHEC personnel met on October 16 to come up with open burning regulations. The recommendations that were presented to County Council on October 24, 2006 were: Exemptions: Vegetative debris burning related to forestry, wildlife and agricultural burns, as authorized by the state forestry commission Open burning in the connection with the preparation of food for immediate consumption, or campfires and fires used solely for recreational purposes, ceremonial occasions or human warmth that are done in a safe manner. Fires set for the purposes of training public fire-fighting personnel when authorized by the appropriate governmental entity. These will be exempt only if the drills are solely for the purposes of fire-fighting training and the duration of the burning is held to the minimum required for such purposes. Prior approval is required only for sites which are not established training sites. (From Greenville County Ordinance) Fires in a residential subdivision: The burning must be located not less than 500 feet from any structure and not less than 500 feet from the property line and adequate provision is made to prevent the fire from spreading. Fires prohibited by the ban: Fires associated with the burning of debris on site by a licensed contractor during new construction. Proposed open burning bans: 1. No burning is allowed except as listed in the exemptions at any time of the year. 2. No burning is allowed except as listed in the exemptions during the Ground Level Ozone season. 3. No burning is allowed except as listed in the exemptions on days when the Air Quality Index is 10 or greater. These recommendations are proposed in an effort to lower limits of ground level ozone. It is the Lexington County Council recommended that County staff and DHEC meet with the Home	Exact ordinance language still under discussion. No specific date is available at this time.				
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

December 2006 Early Action Compact Progress Report
Local Strategies-County of Lexington
Prepared by Synithia Williams

In an effort to keep our contact information updated we have provided the following information for the county:

	Name	Telephone	E-mail Address
Administrator/Manager	Katherine Doucett	(803) 785-8100	kdoucett@lex-co.com
EAC contact	Synithia Williams	(803) 785-8634	swilliams@lex-co.com

The following activities listed were included in the December 2004 EAC State Implementation Plan (SIP) submittal and the December 2005 Progress Report. Each of the activities listed were not quantified for several reasons. First, in accordance with the Protocol for EACs, after all Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC.

1. Designate an Ozone Action Coordinator

Description of Measure

The County will dedicate a staff person as the Ozone Action Coordinator.

- In 2003 the Lexington County Administrator Art Brooks delegated the responsibilities of this program to the Director of Public Works John Fechtel.
- In 2004 the County appointed Sheri Armstrong as the Environmental Coordinator to serve as the EAC contact as well as the coordinator of the County's National Pollutant Discharge Elimination System (NPDES) Phase II permit.
- A new Environmental Coordinator, Synithia Williams, was hired in April 2006 to focus solely on the County's environmental programs. Although Synithia Williams is the primary EAC contact, both Sheri Armstrong and John Fechtel receive questions from County Council and employees concerning the EAC and are kept abreast of the program.

Estimate of Emission Reductions (if available)

Not applicable. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed in 2003 and continuing.

2. Ozone Action Contacts

Description of Measure

The County will establish industry/local government contact persons.

- On June 6, 2005, the County met with David Farren, Southern Environmental Law Center (SELC) and elected official from Lexington and Richland County to discuss "nonattainment" and goals to meet standards for ground level ozone. They also informed the County of the release of the Columbia area air quality report by SELC.
- A meeting with major industries to discuss the ozone situation was planned for late July (2004). This meeting did not happen due to job demands outside of the Ozone program on the previous Environmental Coordinator. Hiring a new Environmental Coordinator who will focus entirely on environmental issues will allow more time to be devoted to increasing stakeholder involvement.
- June 2005 - Obtained list of the major VOC and NOx emitters in county and plan to meet with these companies to discuss concerns regarding attainment issues. Due to time and staff constraints industries were not contacted previously, with the hiring of a new Environmental Coordinator more time can be allocated to increasing stakeholder involvement. A new list will be delivered to the County in the summer of 2006. The county plans to contact the industries on the list and discuss the results of non-attainment and strategies that can be implemented to lower ozone levels
- A letter will be mailed out during the first week of July 2006 to the 2005/2006 principal employers in Lexington County inviting them to an information session concerning ozone pollution, the EAC and how it could affect them. The tentative date for this meeting is the third week of July 2006 depending on availability of meeting facility and industry interest.
- Stakeholder meeting was held with large employers in Lexington County to discuss the air quality situation and possible solutions. Thirty eight letters were mailed to businesses and industry with over 100 employees. Of those 17 people attended the July 18 meeting and three who could not attend requested materials from the meeting be forwarded to them. Along with the air quality presentation there was information handed out on Best Workplace for Commuters, Take a Break from the Exhaust and Energy Star.
- It was discussed with Lexington Soil and Water Conservation District to partner with us on air quality issues. The District's focus is on soil and water issues and their time is currently completely occupied by those issues. An interest was expressed by one member of the District in volunteering during Air Quality events, but only if time allows.

Estimate of Emission Reductions (if available)

Not available. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed in 2004 and continuing.

3. Park & Ride Facilities

Description of Measure

Staff will be contacting churches, shopping centers, etc. with large parking lots to discuss park & ride program.

- The 378 and I-20, Park and Ride Lot, during the majority of 2006 year has been to capacity or greater. This process was previously handled through visual inspection and counting of the cars once a week. The parking facility holds 47 cars.
- During the July stakeholder meeting **the attendees were asked to consider shopping centers or churches near their facilities that could be used as possible park and ride locations.**

Estimate of Emission Reductions (if available)

Not available. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed 2003-2004 and continuing.

4. Alternative work schedule

Description of Measure

Discuss with industry, companies, municipalities and County departments the possibility of alternative work schedules.

- Please see the Ozone Policy adopted August 24, 2004 (attached).
- Lexington County surveyed employees (9/2005) as to the feasibility for department to go to 4 10-hour work schedules. One department within Public Works (11 employees) started October 1, 2005. The Fleet Services department has 1 employee that works an alternate schedule from 7 a.m. to 3 p.m.
- June 2006-Lexington County signed up for Take a Break from the Exhaust a web based program that tracks behavior changes by assigning points to a variety of activities. This program, developed by DHEC, encourages users to take voluntary actions in order to reduce vehicle miles traveled, which in turn reduces the precursors of ground level ozone. After an introductory period that will be used to learn the basics of the program by the Public Works Department, the program will be offered to all County employees for participation.
Information about TABFTE and how individuals could sign up for the program was listed in the August 2006 County Scoop newsletter. There was no interest from employees to sign up for the program. In order to increase interest for the 2007 ozone season, donations from local businesses will be solicited to give as prizes to the person or team who showed the best effort at reducing pollutants based on their inputs into the TABFTE program.
- Local industries **were** informed of the Take a Break from the Exhaust program during the July stakeholder meeting.

Estimate of Emission Reductions (if available)

Not available. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed in 2004 and continuing.

5. Bio-diesel/Alternative fuels

Description of Measure

Companies, municipalities, county investigate feasibility of these methods.

- There were 1,120 gallons of biodiesel purchased in 2004 in Lexington County. There are approximately 60 alternative fuel vehicles operating within federal, state, county, and municipal government. As directed by the County Administrator all future purchases will be either Hybrids or AFVs, if practicable.
- 12 alternative fuel vehicles in the county fleet. **Four additional alternative fuel vehicles are being considered for purchase. This purchase must first be approved by County Council at their December meeting.**
- Tri-axes are equipped with Engine Control Software to monitor vehicle usage. Idle time is set for 5 min. and then automatic shut off.
- The caterpillar engines being purchase have the ACERT Technology. The Caterpillar engines that were purchased for County are meeting the air quality standards proposed for 2007.
- The County purchased 35 Impalas (more efficient) instead of Crown Vic for the sheriff department. 35 more were ordered for the 2006 calendar year and are pending delivery. Late delivery is due to procurement process.
- VDO system on County vehicles monitors driving habits.
- Fleet is maintained 3 month or 5,000 miles, if not maintained the fuel dispensers will not work for the vehicle.
- A letter was mailed in May 2006 to all municipalities within Lexington County encouraging them to switch to alternative fuel vehicles and to consider adopting the Ozone Policy adopted by the County. (copy attached)
- Pitt Stop No. 42 (E85) located at 1928 Airport Blvd, Pitt Stop Convenience Store, (E85) located at 5019 Augusta Road, United Energy (Bio-diesel and E85) located at 2470 Fish Hatchery Road , **Irmo C-Mart (E-85) 7353 Nursery Road, Pitt Stop # 41 (E-85) 1005 Old Cherokee Road** all sell alternative fuel in Lexington County.
- By December 2005, Schwan's Home Service, Inc. will convert 11 heavy-duty trucks from gasoline to propane and it is anticipated that the converted trucks will be located at their depot in Lexington. In addition, propane fueled trucks from Augusta, Georgia and Monroe, North Carolina service customers in South Carolina. Schwan's current South
- Carolina fleet of 67 trucks located at depots in Greenville, Lexington, Charleston and
- Florence is 60 percent propane fueled. Central Midlands Regional Transit Authority (CMRTA), the public transportation system for the Central Midlands area, has 7 buses that operate on compressed natural gas.
- The Governor signed Hybrid vehicle bill H4312 on June 1, 2006. Act 312, R371, H4312 Bill may be viewed at http://www.scstatehouse.net/sess116_2005-2006/bills/4312.htm and its caption reads: An act to amend the Code of Laws of South Carolina, 1976, by adding Section 12-6-3377 so as to allow a state income tax credit equal to twenty percent of certain new hybrid, fuel cell, alternative fuel, or lean burn technology motor vehicle. Credits allowed against a taxpayer's federal income tax liability.
- Local industry **was** informed of the benefits of AFV at the July stakeholder meeting and invited to the August Early Action Summit to receive more information on AFV.

Estimate of Emission Reductions (if available)

Not available. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed in 2005 and continuing.

6. Idle Reduction

Description of Measure

Establish County policies to reduce or stop idling time.

- 15 trucks have Engine Control Module software that idling time is set for 5 minutes. Caterpillar has incorporated this in the engine software. (ACERT Technology) This technology will continue to be considered by the County for instillation in other vehicles.
- See measure four of the Air Quality Awareness and Improvement Policy.

Estimate of Emission Reductions (if available)

Not available. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed in 2004 and continuing.

7. Landfill methane reduction

Description of Measure

Analyze methane production and reduction, recycling efforts.

- Screaming Eagle Landfill owned by Waste Management accepts approximately 100,000 tons/yr of municipal solid waste from Lexington County. This gas to energy recycling system was brought online on February 21, 2006.
- Landfill Methane Outreach Program (LMOP) Participant. Program that aids the reduction of methane emissions from landfills by encouraging the recovery and use of landfill gas as energy source. (www.epa.gov/landfill/index.htm) The 321 Landfill began the landfill gas extraction (LFG) system on October 17, 2001. The LFG collection and control system (GCCS) consists of a blower that draws an active vacuum through eight collection (extraction) wells placed within the northeast end of the 321 Landfill cap for capture of the LFG generated within the landfill mass. The gas control (flare) system is equipped with fully automated “fail-safe” controls for operation of the system with minimal interruption. The pumping station operates pneumatically and pumps the condensate to a 4000-gallon aboveground storage tank adjacent to the flare system. The flare is operated in the timer mode where it runs for approximately eleven hours and is off for the remainder of the day due to the relatively poor landfill gas quality. System effectiveness is maintained and an overall decline in methane levels has been witnessed since initiation of operations. The timing cycle maintains minimum manufacturer recommendations regarding LFG quality to support combustion at the flare. Due to the relatively poor landfill gas quality it would be cost prohibitive to set all of the collection probes on the flare system.
- The County is researching various ways to recycle the methane produced at the 321 Landfill. One possibility is to become a partner in the Chicago Climate Exchange (CCX) which allows emissions trades for greenhouse gas emissions. The Landfill Gas Collection and Control System at 321 Landfill could be considered as an offset project for greenhouse gas emissions. The application for CCX is being prepared by the County's LMOP consultant. This information must be agreed upon by the County Council before the application can be submitted. This information will be presented to council after further research into the CCX and other methane recycling options is explored.

Estimate of Emission Reductions (if available)

Not available. No reduction credits were taken for this measure in the South Carolina Early Action Compact SIP.

Implementation Date

Completed in 2001 and continuing.

Measures not included in the December 2004 SIP submittal

The following activities were not listed in the December 2004 SIP submittal under Appendix 8 – Local Action Plans, but are additional measures achieved in the Lexington County Area.

****Described in Appendix 16 – County Level Emission Reductions and Descriptions for the Ozone Early Action Compact Areas of the December 2004 SC SIP submittal.**

1. School Bus Retrofit Project-Approximately 28 diesel buses will be retrofitted with particulate filters during 2006. Additional reductions of PM are also expected. **

- The school buses may not be retrofitted until 2007 when ultra-low sulfur diesel is more widely available since the retrofitting technology being applied works best with this new fuel type. The Environmental Protection Agency's ultra-low sulfur diesel fuel requirements went into effect on June 1, 2006. Ultra-low sulfur diesel fuel will be available at retail stations beginning summer 2006.

2. Air Quality Awareness and Improvement Policy **

- Memorandum sent to all County department heads as well as elected officials and presented before County Council on August 24, 2004 and adopted as written; for the purpose of establishing certain principles that will guide the recurring activities of County government.
Effective immediately:
 1. Encourage that all county employees are notified of upcoming Ozone Action Days.
 2. Implement car-pooling opportunities, when feasible.
 - Ride share to work
 - Ride to lunch and/or meetings with fellow employees
 3. Ensure that all County vehicles/equipment are operating according to the manufacturer's specifications.
 4. Restrict vehicle idling to no more than 10 minutes. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected.
 5. Restrict mowing and use of gas powered lawn equipment on County property on Ozone Action Days.
 6. Restrict mowing by landscaping additional areas of county property.
 7. Restrict all outdoor burning on Ozone Action Days.
 8. Practice energy conservation in all County facilities.
 - Turn off computers and lights in the office at the end of the day
 - Turn off all office lights when not in use
 9. Include environmental considerations in purchasing decisions for goods and services. An example of such would be to purchase Energy Star equipment.
 10. Purchase the lowest-emission vehicles practical to meet County needs. This may include the purchase of Tier II compliant vehicles, alternative fueled vehicles or hybrids.
- Lexington County website has a link to the DHEC site with the Ozone Action Days.

- County sent memos August 2005, to all employees to see the interest to carpooling. Of the 1300 county employees only 42 responses were received showing interest in carpooling.
- All County employees are to turn off computers and lights when leaving at the end of each day.
- May 2006-Ozone Policy re-distributed to Department Heads to display in the Department and pass out to their employees
- A memo to department heads with instructions to circulate among employees and post in the department will be distributed based on reports received through the Enviroflash program. Enviroflash is a program sponsored by the EPA that provides important air quality information such as forecasts and action day notifications via email or pager notifications. **The Ozone Action Day notices were forwarded to department heads on June 21, August 1 and August 2, 2006.**

3. Create Air Quality Website

- A new web page is currently under development specifically for air quality. The format for the website was forwarded to the County's Information Services Department in June 2006 and will be posted pending approval by the County's website development team that consists of top management in the County
- **Lexington County's Public Works Department website was launched in the summer of 2006. On the Public Works site information about ground level ozone and the Early Action Compact is available.**
- **A request to update the website to include fall air quality tips, a fall air quality flash animation and links to federal and state websites was put into the County's IS Department on October 18, 2006. The request has yet to be filled.**

4. Support SCDHEC statewide efforts to reduce ozone levels. - Stakeholder group to support and participate in modeling efforts. Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning). **

- December 2004 EAC SIP did include Appendix 16 - SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste. Passed on June 25, 2004.
- SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen) reduction amount for both existing and new sources combined across Lexington and Richland counties for 2007 calendar year. Passed on June 25, 2004

5. Land use/Green Space- a planning study (2005-2006) by COATS (Columbia Area Transportation Study) for bicycle and pedestrian facilities in the Central Midlands regions (Lexington, Richland, Kershaw, and Calhoun Counties) as a viable modal choice. (rsimmons@centralmidlands.org)

- Public Meeting held Nov. 14, 2005
- The final report of this study was released in March 2006 and included Early Action Projects for the construction of bicycle and pedestrian facilities that will be begin

implementation within the first two years after adoption of the plan, depending on funding. They include:

- Establishing a bike route on Center Street in West Columbia
- Construct sidewalks on both sides of August Road (US 1) in Lexington County
- Kick off a new neighborhood sidewalk program in the Town of Lexington
- Add sidewalks on both sides of Columbiana Drive in Irmo
- Improve pedestrian crossings at the intersection of North Main Street (US 1) and Columbia Avenue (US 378) in the Town of Lexington
- Provide sidewalks on both sides of Sunset Boulevard (US 378) on the east side of the Town of Lexington

6. Land-Use Improvement Action

- The Town of Lexington passed through Town Council two streets in The Town of Lexington to be designated as one-way streets to ease traffic congestion. Town Council passed at the Nov. 2005 meeting for Bulter and Main streets to be constructed as one-way.
- The new Stormwater Management Ordinance and Design Manual currently under design for the County's Phase II NPDES permit will include open space requirements such as lowering impervious area amounts and keeping natural vegetation. The second draft of the Stormwater Management Ordinance was received on June 8, 2006. The ordinance will not go before council until a final draft is complete and has been reviewed by the County Attorney for approval.
- Lexington County Council approves encouraging Low Impact Development (LID) in the County, which emphasizes decreasing impervious areas, leaving trees and other vegetation and "green power". May 9, 2006 County Council approved a reduction in land disturbance review fees for the first three project that incorporate LID in their design.
- In May and June 2006 the County's Planning Department and the Public Works has met with the Central Midlands Council of Governments to discuss including LID practices in residential and commercial development in the Midlands area.

7. Green Power Support- MCEC (Mid-Carolina Electric Cooperative) offers the purchase of green power blocks. This power is distributed by Santee Cooper and blocks are currently being purchased by local commercial and residential stewards of the environment. Statewide there are 1300 residential co-op participants. (www.santeecooper.com/greenpower/) One block is equal to 100-kilowatt hours of electricity for residential customers and 200-kilowatt hours of electricity for commercial customers.

- Local businesses supporting are Lowe's, BBT, Kinko, and Wachovia Banks.
- There are 115 residential Green Blocks Customers purchasing 164 blocks of green power in Lexington County as of May 2006. Residents can continue to purchase green blocks on voluntary basis.
- There is an average of 82 blocks of green power purchased by commercial customers in Lexington County as of May 2006. Businesses can continue to purchase green blocks on voluntary basis.

8. Energy Efficiency of New/Renovation of County Buildings

- 2003-2004- All windows in the County Administration Building were replaced with energy efficient windows. The same windows were used in the new Courthouse also.

9. Grant/Fund Proposals

- Lexington County/Richland County applied for grant for Gas Cap Replacement/Gas Cap Wrenches, but did not receive the grant.
- Lexington County will continue to research other grant opportunities to fund future projects. A meeting has been scheduled for June 20, 2006 with the grants librarian at the South Carolina State Library to learn more about researching and preparing grant proposals.

10. Landscaping

- Planting of approximately 10-15 acres of trees and/or shrubbery for additional landscaping areas on Lexington County owned property that will reduce mowing and the use of gas powered lawn equipment. Planted trees from Jan.-Mar. 2005.
- Lexington County Planning /Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways. The progress on creating scenic corridors in the County is slow due to the issue of the location of utilities in public easements along the side of the road. Trees along roadways pose a threat to the proper function of utilities located in right-of-ways. The County Planning Department is considering residential buffers in lieu of scenic corridors. The County adopted the ability to grant scenic corridors designation to street as part of the Landscape ordinance adopted January 1, 2001.
- The Director of Planning and GIS met with the County Administrator concerning the scenic corridor concept and the idea was endorsed by her. There are plans to take this idea before the planning commission before the end of the calendar year if the December 21, 2006 meeting is not canceled due to the holidays.
- Lexington County has one (1) municipality that is designated as "Tree City USA" as of November 2003, and that is the Town of Lexington. There are several municipalities (Irmo, Gilbert, West Columbia, Cayce, Chapin) within Lexington County that currently have Tree Ordinances in place for development. Lexington County also has a Landscaping Ordinance that encourages the preservation of trees and has been in place since January 1, 2001.

11. Seminar/Presentations attended by Lexington County to further their knowledge of Air Quality

- May 25, 2005 attended Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality".
- June 22, 2005 participated in a conference call EPA, STATE, LOCAL partners and Office of Transportation and Air Quality to discuss how the "Best Work Places for Commuters" can help EACs.
- August 23-25, 2005 attended the Southern Transportation and Air Quality Summit (STAQS) Conference.

- November 3, 2005 Participated in conference call with DHEC and Richland County for guidance for the EAC Report due December 2005.
- March 13-14, 2006 attended the Midlands Low Impact Development Workshop presented by the Midlands Urban Conservation Committee.
- April 18, 2006 participated in a conference call with DHEC and other EAC members across the state concerning the 2006 EAC Summit in August 2006.
- July 18, 2006 attended an afternoon presentation by Mr. Fred Blood on Plug-in-Hybrids at the SC Energy Office.
- August 16-17, 2006 attended the SC Early Action Compact Summit at the Carolina Convention Center.

12. Public Awareness/Education

- Providing/incorporating Air Quality information in county newsletter that goes to all employees. May 2006-Articles will be placed in Lexington County's bi-monthly newsletter called The County Scoop. These articles will update employees on ozone along with water quality issues and give advice on how individuals can decrease their impact on pollution. First article will appear in the June 2006 newsletter.
- Plans to present bimonthly updates to County Council and then present the updates to local municipalities was not completed due to the strict time constraints of county council meetings/agendas. The Council receives a packet at each meeting with updates that were not discussed on the Council agenda. Updates on the air quality program can be added to this information packet on a bimonthly basis and the subsequent memo mailed out to the local municipalities. The expectation is for these updates to begin after the meeting with the local industries set for July 2006.
- Work with the County GIS department for the introduction of an Environmental link for the Public Works Department discussing Air Quality and related issues. This idea was abandoned due to the work on an Air Quality web page to be featured on the Lexington County website. This web page should be up and running by Summer 2006.
- Spoke with Mid Carolina Electric Co-Op about publishing Air Quality information in their newsletter that is distributed to all MCEC customers. Information linking air quality to Green Power will be forwarded to MCEC during the summer of 2006. Newsletter information has not been forwarded for inclusion in the MCEC newsletter as of this date.
- June 2005 - updated on educational air quality presentations for schools....; also working with landscape "guru" on educational/outreach presentations to local organization. Looking to implement Air Quality seminars with the Lexington County school system in 2006.
- May 2006-Lexington County signed up as an It All Adds Up to Cleaner Air partner. This is a nationwide public education campaign on air quality issues sponsored by the EPA, DOT, and FWA.
- June 2006-PBT Cable agreed to flash ozone awareness fact sheets on their cable access Channel 2. These fact sheets contain the "It All Adds Up to Cleaner Air" logo. This station serves the Gilbert, Pelion, Batesburg-Leesville, Lake Murray area and parts of the Town of Lexington.

- The Town of Lexington was given DHEC PSA's to air on its local cable access Channel 2 (through Time Warner Cable) in April 2006. The PSA's have not run to date, but are being held to add to the rotation when extra space needs to be filled. The Town's local channel reaches 100,000 residents.
- Information concerning summer air quality information was posted on PBT Cable Channel 2 during the summer months. This information was from the It All Adds Up to Cleaner Air community partner summer seasonal materials.
- Information concerning fall air quality information was posted on PBT Cable Channel 2 and the Town of Lexington's local cable access channel. This information was from the It All Adds Up to Cleaner Air community partner fall seasonal materials. The information will run for the fall season and will be replaced with winter tips at the season's change.
- Eight organizations in Lexington County attended the August 16-17 EAC Summit.

13. Public Awareness/Information

- Lexington County, with input from DHEC, is designing and constructing an Ozone Action sign that will display during the Ozone season the ozone alertness level. This will be posted at a heavily traveled intersection in Columbia. —This sign was completed in 2006 and the Public Works Department was honored by SCDHEC for creating the sign. The sign is currently on display at the front of the SCDHEC building on Bull Street in Columbia, SC.
- Ozone Awareness Week 2005 posters were displayed at the County Administration building along with brochures for all citizens and employees.
- 1200 brochures for spring season awareness were attached to employee paychecks on March 31, 2005 concerning Ozone Awareness.
- Press release about Ozone Awareness Week 2005 along with the Governor's Proclamation was hand delivered to Citadel Broadcasting Corp, Clear Channel marketing, Inner City Broadcasting, Glory Communications and Broomfield Broadcasting.
- PSA's formatted for Lexington County were distributed to Citadel Broadcasting Corp, Clear Channel marketing, Inner City Broadcasting, Glory Communications and Broomfield Broadcasting for Ozone Awareness Week 2005.
- Ozone Alerts on high level ozone days were forwarded to all Department Heads in the County with a request to forward the alerts to their employees.
- Live read radio PSA announcements were mailed to local radio stations on July 13, 2006. Follow up was conducted with the radio stations a week after the PSAs were mailed. There was no response.
- August 15, 2006 Air quality handouts were put on display at the County Administration building.
- Advertised for the American Lung Association's Asthma Walk in the October issue of the County Scoop Newsletter. This advertisement included information on how ground level ozone affects asthma sufferers.
- September 21, 2006 Attended the Home Builders Seminar in Columbia and presented information on air quality along with providing information on Energy Star and electric lawnmowers.

- September 25, 2006 Mailed information on the "Change a Light, Change the World" campaign to the air quality stakeholders who attended the July meeting, county department heads and other staff members with the message to pass it on to others.
- September 26, 2006 Myra Reece with the SCDHEC conducted a presentation of the air quality status in the midlands to Lexington County council.
- September 27, 2006 conducted an air quality presentation at the Midlands Urban Conservation Committee monthly meeting.
- October 11, 2006 Information was emailed to stakeholders about the National Alternative Fuel Vehicle Day Odyssey at York Technical College.
- October 18, 2006 New air quality information was displayed at the County Administration building.
- October 18, 2006 Mailed a letter to the 36 large employers in Lexington county with enclosed fall air quality handouts requesting they make this information available to their employees. Three employers requested additional handouts. Nucor Building Supply posted the handouts in their building and will pass out the smaller handouts to all employees. Shaw Industries called to thank the County for providing the information to them. FB Johnston Graphics requested a non color copy of the handouts to pass out to employees. Glassmaster requested 120 copies of the handout along with an article for their company newsletter. Information on Best Workplace for Commuters, Energy Star, Anti-idling and ride sharing was also forwarded to Glassmaster and Nucor Building Supply.

14. Education of environmental issues within school systems

- Amy Curran, DHEC, has been involved for 3 years with Gilbert Middle School for the implementation of wetlands, observation area, and kiosk. This has been an on going project since 2003.
- She conducted an outdoor workshop with the students on air quality on Oct, 25, 2005.
- Amy also taught the 7th graders at Northside Middle School the science curriculum incorporating the health and environmental issues of air quality on Nov. 15, 2005.
- Crossroads Middle School in Lexington County implemented a no idling policy for buses in 2004. They also encourage parents not to idle while waiting on children and have posted signs in the no idling zones.
- August 8, 2006 contacted Al Gates the Science Education Coordinator with Lexington Richland School District 5 concerning the B2 @ School program. On October 11 and 13, 2006 attended meetings with the science teachers in Lex/Rich School Dist 5 where information on the B2 @ School program was presented.

15. Join and participate in Clean Cities

- May 2006 contacted Wendy Bell of the Catawba COG for more information on the Clean Cities initiative. This partnership shall increase public awareness of the environmental issues of air quality that Lexington County is working to improve.

16. Recognition by SC Wildlife Federation

- On January 22, 2005, Lexington County Council received statewide recognition from the South Carolina Wildlife Federation for its landscape ordinance. The Federation's Forestry award was in recognition of leadership and vision through comprehensive

urban forestry programs recently implemented. Due to the variety of issues involved in a project of this magnitude, the county sought input from experts in landscaping and urban forestry as well as the public in developing the Ordinance. While the County's Ordinance is directed primarily at commercial development, it actually focuses on six different categories. The most important aspect of the Lexington County Landscape Ordinance is that its format enables it to be duplicated in any community regardless of location, political environment, or intensity of development. Air quality benefits of this ordinance are that it will help reduce emissions because of reduced use of gas powered yard equipment and the use of canopy trees in parking lots to cut down on evaporative emissions.

17. Proposed Air Quality Events

- Lexington County, in partnership with other agencies, is looking into holding a gas powered lawn mower/lawn equipment exchange. This event was originally planned for Spring 2006 but was canceled due to budgetary constraints. **The lawn mower exchange is tentatively scheduled for April 2007. On September 8, 2006 a needs assessment survey created by DHEC and administered by Zoomerang was emailed out to all Lexington County, Richland County and DHEC stakeholders. This survey helped determine the amount of a discount consumers expect for trading in a gas powered lawn mower as well as consumers willingness to switch to an electric mower. After various meetings it was determined that before further planning for the exchange event could be conducted the information gathered in the survey was needed. A post survey meeting was held on November 8, 2006.**
- Co-sponsored with Richland County and SCDHEC two gas can exchange events located at the former Bush River Mall and at the Sandhills Research/Education Center. The events were held on June 4, 2004 and October 16, 2004 respectively. A total of 290 old gas cans were exchanged for new environmentally safe cans. **
- Co-sponsored with Richland County and SCDHEC a vehicle maintenance check event for National Car Care Month at South Carolina State Museum on April 1, 2006. Sixty vehicles were checked for proper maintenance.

18. Lexington County Comprehensive Plan-Adopted April 27, 1999

- Components of the Lexington County Comprehensive Plan encourage the development of traffic-intensive commercial, industrial and higher density residential land uses near existing major roads, railroads and interstate highways.
- It discourages low-density residential development near existing major roads and interstate highways and encourages development patterns such that future growth can be effectively served by public transportation.
- It also provides for safe transportation facilities for bike and pedestrian usage and promotes the compatibility of different land uses as an alternative to completely segregating residential, commercial, industrial, agricultural and other uses from one another.
- Another effort includes working within the Central Midlands Council of Governments to ensure that the Columbia Area Transportation Plan (COATS) assists in the reversal of the "sprawl" development pattern.

19. South Carolina Department of Education School Bus Funding

- The Department of Education has been awarded a Clean School Bus USA Grant for \$499,099 to retrofit some buses in South Carolina with diesel oxidation catalysts and crankcase filters, replace some older buses and conduct a biodiesel pilot and an idle-reduction device pilot.
- DHEC is working with SC Department of Education to obtain grants from EPA. State Education Superintendent Inez Tenenbaum signed an order on June 20, 2006 to buy 630 new school buses with roughly \$36 million appropriated by the Legislature. These buses should be on South Carolina roads by the end of the year. These new buses will replace vehicles from 1984 and 1985 which are not fuel efficient and produce higher levels of polluted emissions than more modern vehicles.
- The benefits from these South Carolina Department of Education (SDE) funding sources will be distributed throughout the state. The SDE has agreed to make York County and the five deferred areas the top priority in assigning new and retrofitted buses to service. SDE is also partnering with private companies and local school districts to provide specific funding for school bus retrofits and clean air programs.

20. Support efforts to create a regional air quality committee.

- Interest was expressed by the Lexington County Administrator in the County sending a joint letter with the Richland County Administrator to the Central Midlands Council of Governments. The letter would request that the COG take the lead in setting up a regional air quality committee. Efforts to include Newberry and Fairfield Counties will also be explored.
- The City of Columbia has created a Climate Protection Action Committee. The committee is charged with creating an action plan to reduce municipal greenhouse gas emissions and submit this plan to the City Council within 6 months. Lexington County is represented as an advisory member on the City of Columbia's Climate Protection Action Committee. The action plan that is developed by the Climate Protection Action Committee can serve as a basis for a regional air quality committee.

21. Outdoor Burning Ordinance

- The Lexington County Public Works and Public Safety Departments are working with SCDHEC to implement a no-burning ordinance in the County. County and DHEC personnel met on October 16 to come up with open burning regulations. The recommendations that were presented to County Council on October 24, 2006 were:

Exemptions:

- Vegetative debris burning related to forestry, wildlife and agricultural burns, as authorized by the state forestry commission
- Open burning in the connection with the preparation of food for immediate consumption, or campfires and fires used solely for recreational purposes, ceremonial occasions or human warmth that are done in a safe manner.
- Fires set for the purposes of training public fire-fighting personnel when authorized by the appropriate governmental entity. These will be exempt only if the drills are solely for the purposes of fire-fighting training and the duration of the burning is held to the

minimum required for such purposes. Prior approval is required only for sites which are not established training sites. (From Greenville County Ordinance)

Fires in a residential subdivision:

- The burning must be located not less than 500 feet from any structure and not less than 500 feet from the property line and adequate provision is made to prevent the fire from spreading within 50 feet of any structure.

Fires prohibited by the ban:

- Fires associated with the burning of debris on site by a licensed contractor during new construction of a home or other building.

Proposed open burning bans:

- 1. No burning is allowed except as listed in the exemptions at any time of the year.
- 2. No burning is allowed except as listed in the exemptions during the Ground Level Ozone Season of April 1-October 31 of each year.
- 3. No burning is allowed except as listed in the exemptions on days when the Air Quality Index for ground level ozone is a code orange (101 or greater/Unhealthy for Sensitive Groups)

These recommendations are proposed in an effort to lower limits of ground level ozone. It should be noted that more stringent standards may be considered at a later date if needed. Lexington County Council recommended that County staff and DHEC meet with the Homebuilders Association to discuss the possible ban on burning of debris by a licensed contractor. This meeting is scheduled for December 8, 2006.

22. Improve Traffic Congestion

- On July 31, 2006 the Central Midlands Regional Transit Authority announced they would offer free rides on their Smartride buses on Ozone Action Days.
- On October 2, 2006 the Town of Lexington approved spending \$14,000 for equipment needed to synchronize traffic lights to improve traffic flow on Columbia Avenue and Main Street. The Town will first monitor traffic at 20 intersections and the traffic lights will be timed based on the monitoring data. It is thought that this will reduce the congestion in this part of the town.